

Utah Wind Working Group (UWWG) Minutes

Date - September 27, 2006

Time - 1:00 p.m.

**Location - DNR Building, Room 1060 – 1594 W. North Temple, Salt Lake City,
Utah**

1:00 to 1:05 – Welcome & Introduction of UWWG, Jason Berry, Renewable Energy Coordinator, State Energy Program

1:05 to 1:15 –Recap of Public Utilities and Technology Interim Committee Meeting on July 19, 2006, Sarah Wright, Utah Clean Energy

- Utah Wind Industry spoke in favor of Renewable Energy Tax Credit being renewed in 2007 General Session
- Committee's opinion on tax credit varied
- Interim Committee wants more economic analysis of wind energy benefits for the state
- Industry and special interest groups need to provide more educational outreach on wind energy benefits to politicians and business/community leaders
- Wind industry wants transferable tax credits
- Alternative subsidy issues need to be reviewed and analyzed

1:15 to 1:25 – Update on Pioneer Ridge Project, Rick Frandsen, Tasco Engineering

- Power Purchase Agreement with PacifiCorp is complete
- Tasco is currently in the process of negotiating interconnection agreement with PacifiCorp
- Also in the process of looking for turbines
- Taking a "wait and see" attitude in regard to the Federal Production Tax Credit
- Start date is still unknown

1:25 to 1:40 – Wind Development Interests in Utah, Jason Berry, State Energy Program

- Milford Flats Wind Development
 - Small commercial wind development by landowner planned 7 miles south of Milford, Utah
 - Beaver County approved Conditional Use Permit
 - State Energy Program (SEP) provided testimony to the planning and zoning board during the review process
 - Development will be under 3MW in order to stay in Rate Schedule 37 for power purchases.
 - Beaver County has some of the best wind resources in Utah and may be approached by other developers
 - SEP will continue to assist Beaver County planning officials regarding wind-zoning ordinances for the county

- Phillips Edison, Blue Sky Corporate Ranch, Wanship, Utah
 - The Blue Sky Ranch will be a LEED (Leader in Energy and Environmental Design) certified development
 - Looking to power water well and other buildings with wind and solar combination
 - SEP's Anemometer Loan Program will loan one 20-meter anemometer tower to Phillips Edison to measure its wind resource
 - The site potential is marginal, but may be good enough for small wind generation
- South Weber Elementary, Davis School District, South Weber, Utah
 - S. Weber Elementary will participate in SEP's Anemometer Loan Program
 - The school is located 2 miles west of Weber Canyon
 - Canyon winds are strong at the mouth of the canyon
 - Tower will go up in late October 2006 and collect data for a year
- Park City Mountain Resort, Park City, Utah
 - Resort management is very interested in renewable energy development for the resort
 - SEP has been working to help identify areas within the ski area that would have a good wind resource, have the space to develop and be able to tie into electrical grid
 - The resort may participate in the Anemometer Loan Program next summer

1:40 to 1:50 – JEDI Reports for Utah Counties, Cathy Hartman, Renewable Energy for Rural Economic Development (RERED), Utah State University

- RERED just published two new JEDI (Jobs and Economical Development Impact) reports for Box Elder and Tooele County
- Reports quantify “the likely economic impact of wind development” in the specified counties
- The DOE funded reports were sent out to all Utah State representatives
- RERED recently hired a graduate student to assist in development of JEDI reports for Beaver and San Juan Counties.
- Phil Powlick stated that SEP has commissioned a new JEDI model that will compare state wide economic benefits of wind, coal, and gas generation facilities
- RERED will present papers at the next Wind Working Group meeting
- To review published JEDI reports go to the following links:

-Link for Utah County Report

http://www.eere.energy.gov/windandhydro/windpoweringamerica/filter_detail.asp?itemid=1230

-Link for Box Elder Report

http://www.eere.energy.gov/windandhydro/windpoweringamerica/filter_detail.asp?itemid=1296

-Link for Tooele Report

http://www.eere.energy.gov/windandhydro/windpoweringamerica/filter_detail.asp?itemid=1295

1:50 to 2:00 – Update, Spanish Fork Wind Development, Phil Powlick, State Energy Program (Note: This item was on the agenda. Christine Mikell was unable to attend for a full presentation)

- The developer, Wasatch Wind, has secured a Power Purchase Agreement with Pacificorp
- Currently in the process of securing funding and turbines
- Start date is estimated to be late 2007

2:00 to 2:30 – Presentation, Milford High School Wind Turbine and Renewable Energy Curriculum, Andy Swapp, Science Teacher, Milford High School

- Milford High School is the first public school in the state to have an operating wind generation system
 - The Southwest Designs' H-100 (100 watt system at full capacity) provides power to a maintenance shed located on school grounds
 - Students helped with construction of the system
 - Students conduct scientific experiments with the turbine
- Andy Swapp and his high school students will be installing (October) a new turbine at Milford Elementary School
- A renewable energy curriculum will be implemented into the elementary school's classrooms; students will conduct scientific experiments as well
- Andy Swapp's students are currently building a wind turbine from the ground up; the turbine will be used for academic purposes only
- Andy Swapp's renewable energy class explores other renewable areas as well, i.e. biomass
- To access Andy's presentation click on the link below
[Waiting for link or PPT file from Andy Swapp]

2:30 to 3:00 – Discussion of Other Items, Jason Berry, State Energy Program

- Moving toward a comprehensive Wind Zoning Ordinance for Utah
 - Jason Berry asked for volunteers to conduct preliminary research for wind zoning in other states in order to help create a template for other Utah jurisdictions
 - Andy Swapp and Tim Wagner volunteered to help conduct research on zoning ordinances
 - Jason Berry will contact them regarding specifics
- Tim Dwyer, University of Utah Mechanical Engineering Student is starting up a new company called U Wind
 - Creates detailed atmospheric models for wind developments
 - University of Utah Mechanical Engineering Department also is involved in wind turbine blade design and testing.
 - Contact Tim Dwyer for more information: tim@edwarpultar.com

3:00 – Utah Wind Working Group Meeting Adjourned